



CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTC/E/BBMP/W/No.02/KS/CEMENT/2014-15



Date: 03.06.2014

TEST REPORT

CLIENT	:	Asst. Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
AGENCY	:	Mr. K. Srigandha, Contractor, Bangalore.
NAME OF THE WORK	:	Construction of SSM wall to Kaceha SWD at 25 th cross of Koudappa Layout in Ward No.02 of Yelahanka Sub Division, BBMP, Bangalore.
REFERENCE	:	BBMP/AHE/YSD/PR/ /2014-15 Dated: 02.06.2014
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-1989
1	a) Initial Setting Time	IS-4031 (Part -5)	145 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	490 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	26.00 %	-

Note:

- ⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.
- ⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.
- ⇒ Any Query regarding the report must be reported within 15 days from the date of testing.



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CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No: CTCE/BBMP/W.No.2/KS/SAND/2014-15



03.06.2014

TEST REPORT ON FINE AGGREGATES (SAND) IS 383-1970 (RA- 2002)

Client : Asst. Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Agency : Mr. K. Srigantha, Contractor, Bangalore.
Name of Work : Construction of SSM wall in Kanchi SWD at 25th cross of Kondappa Layout in Ward No.02 of Yelahanka Sub Division, BBMP, Bangalore.
Reference : BBMP/AEE/VSD/PR/ /2014-15 Dated: 02.06.2014
Date of Testing : 03.06.2014
Material : Sand Total Wt. of Aggregates in gms 2000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	88	4.40	4.40	95.6	90-100
2.36	204	10.20	14.60	85.4	75-100
1.18	388	19.40	34.00	66.0	55-90
600 Micron	420	21.00	55.00	45.0	35-50
300 Micron	584	29.20	84.20	15.8	8-30
150 Micron	223	11.15	95.35	4.6	0

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Job No: CTCB/BBMP/W.No.02/KS/AGG/2014-15



03.06.2014

TEST REPORT ON COARSE AGGREGATES IS 383-1970 (RA- 2002)

Client : Asst. Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Agency : Mr. K. Srigandha, Contractor, Bangalore.
Name of Work : Construction of SSM wall to Kaccha SWD at 25th cross of Kondappa Layout in Ward No.02 of Yelahanka Sub Division, BBMP, Bangalore.
Reference : BBMP/AEE/YSD/PR/ /2014-15 Dated: 02.06.2014
Date of Testing : 03.06.2014
Material : 40mm Aggregates

Total Wt. of Aggregates in gms 25400

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	1010	3.98	3.98	96.02	95-100
20	16250	63.98	67.95	32.05	30-70
10	5220	20.55	88.50	11.50	10-35
4.75	2610	10.28	98.78	1.22	0-5

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Job No: CTC/BBMP/W.No.02/KS/CUBE/2014-15



20.06.2014

TEST REPORT ON CONCRETE CUBES

Client : Asst. Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Agency : Mr. K. Srigantha, Contractor, Bangalore.

Name of the work : Construction of SSM wall to Kavcha SWD at 25th cross of Konappa Layout in Ward No.02 of Yelahanka Sub Division, BBMP, Bangalore.

Reference : BBMP/AEE/YSD/PR/ /2014-15 Dated: 02.06.2014

Sample ID : Pavement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm²

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M₂₅

Compressive Strength as on : 7th day

SL No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm ²)
1	13.06.2014	20.06.2014	8.135	353.4	15.71
2	13.06.2014	20.06.2014	8.388	365.7	16.25
3	13.06.2014	20.06.2014	8.257	359.6	15.98

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